



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF:



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TECNOLOGY CENTER  
PATENT

Serial No.	Filed	Title	Assignment Recorded at Reel/Frame
09/922,423	8/3/2001	Content Addressable Memory With Error Detection	
09/940,832	8/27/2001	Content Addressable Memory With Configurable Class-Based Storage Partition	012130/0209
09/954,827	9/18/2001	Content Addressable Memory With Error Detection Signaling	012491/0317
09/963,334	9/24/2001	Content Addressable Memory With Range Compare Function	012209/0131
09/999,798	10/31/2001	Content Addressable Memory With Block-Programmable Mask Write Mode, Word Width And Priority	012650/0074
09/999,800	10/31/2001	Content Addressable Memory With Selectable Mask Write Mode	012649/0959
10/000,122	10/31/2001	Content Addressable Memory With Programmable Word Width And Programmable Priority	012649/0943
10/002,713	11/1/2001	Content Addressable Memory With Priority-Biased Error Detection Sequencing	012351/0078
10/061,941	2/1/2002	Content Addressable Memory Device	012824/0970
10/062,307	2/1/2002	Content Addressable Memory Device	012825/0022
10/121,344	4/12/2002	Content Addressable Memory With Selective Error Logging	012796/0130
10/163,263	6/5/2002	Content Addressable Memory Device With Simultaneous Write And Compare Function	

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Power of Attorney by Assignee and Certification  
Under 37 CFR §3.73(b)

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

I, the undersigned, acting on behalf of the Assignee of the entire right, title and interest in the above-referenced patent applications, hereby revoke all prior powers of attorney for said applications and appoint the practitioners at Customer Number 30554, the Customer Number of Shemwell & Gregory LLP, as my/our attorney(s) or agent(s) to prosecute said applications, and to transact all business in the United States Patent and Trademark Office connected therewith. This appointment is to the exclusion of the inventor(s) and their attorney(s) and agent(s) in accordance with the provisions of 37 CFR 3.71.

Effective immediately, please direct all further communications in the above-identified patent application to the following address:

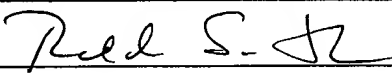
**Shemwell & Gregory LLP**  
4880 Stevens Creek Blvd., Ste. 201  
San Jose, CA 95129

**Telephone: (408) 236-6640**  
**Facsimile: (408) 236-6641**  
**Customer No. 30554**

In accordance with 37 CFR 3.73(b), I hereby certify that I am empowered to act on behalf of the Assignee. To the best of my knowledge and belief, title is in the Assignee, as evidenced by the assignments recorded in the Patent and Trademark Office at the above-indicated reel/frame locations or, if reel/frame is not indicated above, by the assignment documents attached hereto.

I further declare that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Title 18, USC §1001 and that such willful false statements may jeopardize the validity of the this application or any patent resulting therefrom.

ASSIGNEE: NetLogic Microsystems, Inc.

Signature: 

Typed Name: Ronald S. Jankov

Title: President and CEO

Date: July 9, 2002

Address: 450 National Avenue  
Mountain View, California 94043

ASSIGNMENT

In consideration of good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Varadarajan Srinivasan and Sandeep Khanna, the undersigned Assignor(s), believing to be the original, first and sole or joint inventor(s) of any and all new and useful improvements disclosed in the application for the United States patent entitled CONTENT ADDRESSABLE MEMORY WITH ERROR DETECTION hereby sell, assign, and transfer to NetLogic Microsystems, Inc. a Delaware Corporation, having a principal place of business at 450 National Ave., Mountain View, CA 94043, ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements that are disclosed in the same patent application

\_\_\_\_\_ which was filed with the United States Patent and Trademark Office on \_\_\_\_\_ and which was assigned Application Number \_\_\_\_\_.

X which has been executed by the undersigned prior hereto or concurrently herewith on the dates indicated below.

The undersigned further sell, assign, and transfer to Assignee said application and all divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original patents, reissued patents, reexamination certificates, and extensions, that have been or shall be issued in the United States and all foreign countries on said improvements; and in and to all rights of priority resulting from the filing of said United States application; and the right to file foreign applications directly in the name of the Assignee and to claim for any such foreign applications any priority rights to which such applications are entitled under international conventions, treaties or otherwise.

The undersigned further agree that said Assignee may apply for and receive a patent or patents for said improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives.

The undersigned covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

The undersigned hereby authorize and request the Officials of the United States Patent and Trademark Office and any and all foreign Patent Offices to issue any and all Letters Patents, when granted, to said Assignee as the assignee of the entire right, title and interest in and to the same, for the sole use of said Assignee, its successors and assigns, to the full end of the term for which said Letters Patents may be granted.

The undersigned hereby grant to Charles E. Shemwell (Reg. No. 40,171), located at 998 East El Camino Real, Ste 204, Sunnyvale, California 94087-7913, the power to insert on this document any further identification necessary or desirable to comply with the rules of the United States Patent and Trademark Office for recordation of this Assignment.

**Each Inventor/Assignor: Please Sign and Date Below:**

Aug-3, 2001  
Date

Varadarajan Srinivasan  
Name: Varadarajan Srinivasan

8-3-, 2001  
Date

Sandeep Khanna  
Name: Sandeep Khanna

**Please also list date you signed the accompanying DECLARATION AND POWER OF ATTORNEY if Assignment executed with new filing:**

Aug-3, 2001  
Date

8-3-, 2001  
Date

**ASSIGNMENT**

In consideration of good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Michael E. Ichiriu, the undersigned Assignor(s), believing to be the original, first and sole or joint inventor(s) of any and all new and useful improvements disclosed in the application for the United States patent entitled

**CONTENT ADDRESSABLE MEMORY WITH SIMULTANEOUS WRITE AND  
COMPARE FUNCTION**

hereby sell, assign, and transfer to NetLogic Microsystems, Inc. a Delaware Corporation, having a principal place of business at 450 National Ave., Mountain View, CA 94043, ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements that are disclosed in the same patent application

X which was filed with the United States Patent and Trademark Office on June 5, 2002, and which was assigned Application Number 10/163,263.

\_\_\_\_\_ which has been executed by the undersigned prior hereto or concurrently herewith on the dates indicated below.

The undersigned further sell, assign, and transfer to Assignee said application and all divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original patents, reissued patents, reexamination certificates, and extensions, that have been or shall be issued in the United States and all foreign countries on said improvements; and in and to all rights of priority resulting from the filing of said United States application; and the right to file foreign applications directly in the name of the Assignee and to claim for any such foreign applications any priority rights to which such applications are entitled under international conventions, treaties or otherwise.

The undersigned further agree that said Assignee may apply for and receive a patent or patents for said improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said improvements

and for vesting title to said improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives.

The undersigned covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

The undersigned hereby authorize and request the Officials of the United States Patent and Trademark Office and any and all foreign Patent Offices to issue any and all Letters Patents, when granted, to said Assignee as the assignee of the entire right, title and interest in and to the same, for the sole use of said Assignee, its successors and assigns, to the full end of the term for which said Letters Patents may be granted.

The undersigned hereby grant to Charles E. Shemwell (Reg. No. 40,171), located at 4880 Stevens Creek Blvd., Ste. 201, San Jose, California 95129, the power to insert on this document any further identification necessary or desirable to comply with the rules of the United States Patent and Trademark Office for recordation of this Assignment.

**Each Inventor/Assignor: Please Sign and Date Below:**

June 24, 2002  
Date

  
Name: Michael E. Ichiriu



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF:

Serial No.	Filed	Title
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10/163,263	6/5/2002	Content Addressable Memory Device With Simultaneous Write And Compare Function

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**Appointment of Associate Attorney Under 37 CFR §1.34(b)**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

I, the undersigned, am a principal attorney of record for the above-identified patent applications by virtue of a duly executed power of attorney filed herewith and, as such, hereby appoint Roland B. Cortes, Reg. No. 39,152, of NetLogic Microsystems, Inc. located

at 450 National Ave., Mountain View, CA 94043, telephone (650) -6676, as an associate attorney with full authority to prosecute said applications and to transact all business in the Patent and Trademark Office connected therewith.

Please continue to direct all communications regarding the above-identified patent applications to the following address:

**Shemwell & Gregory LLP**  
4880 Stevens Creek Blvd., Ste. 201  
San Jose, CA 95129

**Telephone: (408) 236-6640**  
**Facsimile: (408) 236-6641**  
**Customer No. 30554**

Respectfully Submitted,

Date

July 16, 2002

A handwritten signature in black ink, appearing to read "Charles E. Shemwell", written over a horizontal line.

Charles E. Shemwell  
Reg. No. 40,171